

LONG DIVISION.

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ARTICLE 42.

Divide :

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| 1. 86400 by 25. | 10. 342738 by 54. |
| 2. 145216 by 32. | 11. 1038510 by 66. |
| 3. 239645 by 41. | 12. 2451504 by 48. |
| 4. 332469 by 53. | 13. 2875758 by 79. |
| 5. 479488 by 64. | 14. 5223567 by 87. |
| 6. 605550 by 75. | 15. 7136000 by 96. |
| 7. 740097 by 81. | 16. 4519536 by 56. |
| 8. 297693 by 93. | 17. 6343101 by 69. |
| 9. 248136 by 42. | 18. 5764278 by 78. |

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| 19. | 5845025 by 85. | 30. | 97513999 by 987. |
| 20. | 9506679 by 97. | 31. | 87109632 by 3072. |
| 21. | 4258412 by 109. | 32. | 144352063 by 4009. |
| 22. | 1440000 by 256. | 33. | 219476318 by 4567. |
| 23. | 22217328 by 324. | 34. | 92160000 by 5625. |
| 24. | 43369953 by 583. | 35. | 468883777 by 6798. |
| 25. | 37437180 by 786. | 36. | 136820361 by 7346. |
| 26. | 80730508 by 945. | 37. | 607807200 by 8096. |
| 27. | 10000000 by 625. | 38. | 761092392 by 9507. |
| 28. | 82666000 by 837. | 39. | 10202111 by 1010. |
| 29. | 20000000 by 640. | 40. | 1000000000 by 512. |

41. 18954 bu. of wheat were shipped in 39 carloads. What was the number of bushels in each car?

42. In grading a street 319488 cubic feet of earth was removed by 78 men. How much did each remove?

43. A railroad company paid \$600000 for 480 freight cars. What was their average value?

44. An improvement company sold a number of lots for \$390625, at the rate of \$625 per lot. How many lots were sold?

45. 350240 rails were used in laying 796 miles of track. How many were required for each mile?

46. An author wrote a U. S. History containing 73500 lines in 196 days. What was his average number per day?

47. A tank holds 1864 gal. How many times can it be filled from a reservoir containing 1767072 gal.?

48. The product of two numbers is 778743. One of them is 987. What is the other?

49. \$1862000 in gold was placed in sacks, each containing \$1750. How many sacks were required?

50. A tract of woodland yielded 70308 cords of wood. If there were 378 acres in the tract, what was the average yield per acre?

51. If the moon is 240000 miles from the earth, in how many days could a pigeon make the trip, at the rate of 640 miles per day?

52. During a certain month a flouring-mill manufactured 550368 lb. of flour, which was put into barrels of 196 lb. each. How many barrels were filled?

53. \$180000 was paid for 1250 acres of land. What was the cost per acre?

54. 837 is contained in 472512 a certain number of times, with a remainder. What is the remainder?

55. An army consumed 17793750 lb. of provisions in 365 days. What was its daily allowance?

56. The population of the State of Massachusetts in 1885 was 1945710, which was an average of 234 people to the square mile. What is the area of the State?

57. There are 1760 yds. in a mile. How many miles in 1001440 yds.

58. An army of 120000 men was divided into regiments of 960 men each. How many regiments were formed?

59. In a city school of 512 pupils the expense for tuition for a certain year was 1600000 cts. What was the average expense per pupil?

60. 1728 cu. in. make a cubic foot. How many cubic feet are there in a monument containing 442368 cu. in.?

61. The dividend is 32875187, and the quotient 4793. Find the divisor.

62. A book contains one million ems of type. In how many days could a compositor set it, allowing 6250 ems for a day's work?

63. If iron rails weigh 384 lb. apiece, how many rails would be required for a track whose total weight is 1105920 lb.?

64. 1080000 lb. of cotton were pressed into 2250 bales of equal size. What was the weight of each bale?

65. If a factory consumes 115497 bu. of coal in 313 days, how many bushels will it use daily?

66. Divide ten billions by one thousand and twenty-four.

67. 231 cu. in. make a gallon. How many gallons in 2333331 cu. in.?

68. Eighty-nine laborers earned \$48060 in 12 mo. What was the average monthly wages of each?

69. 1925000 bricks were laid by 25 workmen in 28 days. What was an average day's work for each?

70. A planter sold 729 hhds., each containing 63 gal. of molasses, for 2571912 cts. What was its value per gallon?

71. Procter & Gamble loaded 37 cars with 1065600 lb. of soap, allowing 64 lb. to the box. How many boxes did each car hold?

72. A tract of land was subdivided into 196 squares of 12 lots each. If they were sold for \$1117200, what was the value of each lot?

73. A tract of woodland yielded 149 cords of wood per acre. The entire quantity was sold for 17164800 cts., at the rate of 450 cts. per cord. How many acres were in the tract?

74. 1250 persons consumed 10000000 oysters in 125 days. How many did each consume daily?

75. An encyclopedia averages 864 pages to the volume, and 144 lines to the page. If the entire number of lines is 3110400, how many volumes are there?

ARTICLE 42.

1.	3456.	26.	$85429\frac{127}{15}$	51.	375 days.
2.	4538.	27.	16000.	52.	2808 bls.
3.	5845.	28.	$98764\frac{582}{87}$	53.	\$144.
4.	6273.	29.	31250.	54.	444.
5.	7492.	30.	$98798\frac{373}{87}$	55.	48750 lb.
6.	8074.	31.	28356.	56.	8315 sq. miles.
7.	9137.	32.	36007.	57.	569 miles.
8.	3201.	33.	$48056\frac{1589}{1587}$	58.	125 regim'ts.
9.	5908.	34.	16384.	59.	3125 cts.
10.	6347.	35.	$68973\frac{5828}{8788}$	60.	256 cu. ft.
11.	15375.	36.	$18625\frac{1111}{848}$	61.	6859.
12.	51073.	37.	75075.	62.	160 days.
13.	36402.	38.	80056.	63.	2880 rails.
14.	60041.	39.	$10101\frac{101}{1010}$	64.	480 lb.
15.	74750.	40.	1953125.	65.	369 bu.
16.	80706.	41.	486 bu.	66.	9765625.
17.	91929.	42.	4096 cu. ft.	67.	10101 gal.
18.	73901.	43.	\$1250.	68.	\$45.
19.	68765.	44.	625 lots.	69.	2750 bricks.
20.	98007.	45.	440 rails.	70.	56 cts.
21.	39068.	46.	375 lines.	71.	450 boxes.
22.	5625.	47.	948 times.	72.	\$475.
23.	68572.	48.	789.	73.	256 acres.
	74391.	49.	1064 sacks.	74.	64 oysters.
	47630.	50.	186 cords.	75.	25 vol.